Agenda

- Overview
  - Customer challenges
- Business Desktop Deployment 2007
  - Deployment technologies
  - What's new
  - Scenarios
  - Goals / Advantages
- Summary

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Customer Challenges

- Top issues we've heard from customers
  - Application compatibility and user state migration
  - Cost, complexity, and time needed to deploy desktops
  - Lack of infrastructure and tools to enable smooth deployment
  - Lack of best practices and implementation guidelines

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OS Deployment – Business Challenges
Some things a solution must address

- Application compatibility issues are too difficult to overcome.

- How can I reduce the cost of deployment if I have to send technicians to every desktop?

- Will our infrastructure be able to handle automated deployments?

- Is it worth the investment in additional IT and best practices training?
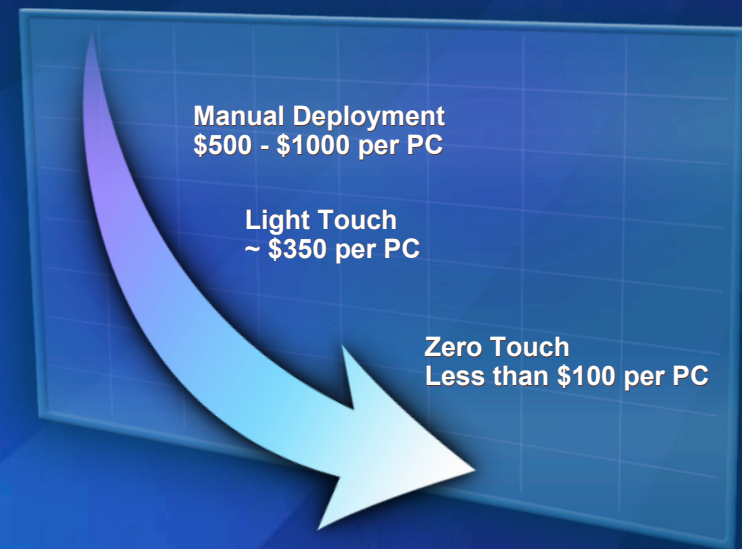
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OS Deployment – Process Challenges
Process challenges to overcome

- What is the best practice to create my master image?
- How do I get to one image for the enterprise?
- How do I replicate that image to all my geographic locations?
- How do I securely preserve user state during a migration?
- How can I track progress of 1,000s of PCs being upgraded?
- When patches are released how do I keep my images updated?
- How do I communicate the changes to end users?

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Solutions Accelerator for BDD 2007

- End-to-end guidance, best practices, and tools for efficient planning, building, and deploying of images

- Based on real-world experience and industry best practices

- Increase automation

- Decrease costs

Manual Deployment
$500 - $1000 per PC

Light Touch
~ $350 per PC

Zero Touch
Less than $100 per PC

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Solutions Accelerator for BDD 2007

- Free download from Microsoft
- Targeted at defined customer scenarios
  - Also known as pain points
  - Address product integration and gaps
- Integrates people, process, and technology
  - Industry, partner, customer, and Microsoft best practices
  - Includes project and operational guidance (based on Microsoft Solutions Framework and Microsoft Operations Framework)
  - Automation through scripting and limited integration code
- Covers the entire life cycle
  - Envisioning, Planning, Developing, Stabilizing, Deploying, and Operating
- Engineered, tested, and validated
  - Built with customers, partners, and Microsoft
- Supported

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Solutions Accelerator for BDD 2007 Advantage

Provisioning
- Consistency
- Portal interface
- Business process focused

Plan

Build

Deploy

Maintainability
- Microsoft packaged solution
- Reduced hardware complexity
- Scalable and secure
- Centralized or de-centralized control by policy

Extensibility
- Flexible
- Customizable

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Solutions Accelerator for BDD 2007 Deployment Scenarios

- New Computer
  - New Computer unattended installation
  - Reference Computer image (golden) creation
- Refresh Computer
  - Includes User State Migration during re-imaging process
- Replace Computer
  - Includes User State Migration from the old Computer to the new Computer
- Upgrade Computer
  - Upgrades the PC from Windows XP to Windows Vista

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Solutions Accelerator for BDD 2007 Deployment Scenarios

Old OS

Windows PE

New OS

SCCM 2007 Task Sequencer

Capture User State

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Back up computer

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Apply new image

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Configure OS

↓

Install Applications

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Restore User State

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Solutions Accelerator for BDD 2007 What's new

- Documentation improvements
  - Separate guidance and methodology from tools and reference material
- Tool improvements
  - More automation, wizards, and checklists
- Improved driver management
  - For Windows PE, Windows Vista, and Windows XP
- Task sequence-based
  - Uses technology from System Center Configuration Manager (SCCM) 2007, but does not require SCCM
  - Allows for greater configuration flexibility
- Backup capabilities

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BDD 2007 Updates

Products and Tools	2.x XP Office 2003	3.0 Vista / XP Office 2007+ 2003
Application Compatibility Toolkit	4.X	5.x
Office Conversion	Access Conversion Toolkit	New Office tools
Windows Pre-Installation Environment (WinPE)	2004 or 2005	2.0
User State Migration Tool	2.6.x / INFs	3.0 / XML
PXE boot	RIS / RiPrep / PE	WDS / PE
Imaging format	WIM, PQI, GHO	WIM
OS Deployment	SMS 2003 SP1 + OSD	SMS 2003 SP2 + OSD Hotfix
Lite Touch Deployment	3rd party	ZTI integrated
Zero Touch Installation	ZTI.vbs	ZTI scripts
Zero Touch Provisioning	ZTP 2.x	ZTP 3.0
Solution Accelerator Components		
Solution Accelerator Guidance	Combined	Split
BDD Imaging Tools	CIS	BDD Workbench WAIK
BDD Automation	CIS + Actions.XML	BDD Workbench + SMS Task Sequencer
BDD Deploy method	BUILD.HTA (CD)	LT DEPLOY (CE/PXE)

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BDD 2007 Workbench

demo

Summary

- Significant deployment innovations and investments
    - Imaging, modularization, performance..
    - Comprehensive suite of tools that address the complete deployment lifecycle
- Best practices and deployment guidance
- These will enable:
    - Repeatable process
    - Reduce the number of images
    - Better service images – offline, etc.
    - Increase speed and reliability of installation

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Desktop Deployment Planning Services

- Available to Software Assurance customers
  - 1 to 15 days or more to assist with deployment planning.
  - Equip you to plan, build and deploy your custom configuration
  - Includes presentations, architecture design sessions and technical drill-down
  - Build a Proof of Concept during longer engagements

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Next Steps

- Attend the roundtable
  - 2:15PM in the lunch area
- Visit the Desktop Deployment site
  - http://www.microsoft.com/desktopdeployment
- Desktop Deployment Planning Services
  - Contact your agencies Software Benefits Administrator
- Plan a pilot
- Outline requirements
- Plan deployment

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